be taken up for development in the next 10-20 years, ranking/pre-feasibility studies have been carried out for 399 schemes (1,07,000 MW). Some of these studies to hydro electirc projects have been conducted by considering details of land use cover, Infrastructure etc. utilizing Satellite Imageries based data obtained from National Remote Sensing Agency (NRSA).

Software for GIS and remote sensing are available in the market for the distribution system network. Utilities are in the process of making use of such software for distribution system.

Information Technology (IT) is used in Power System Planning for carrying out Load Flow Studies, Short Circuit Studies, Stability Studies and Electromagnetic Transient Phenomena studies. On the basis of these studies, the performance for the power system is simulated and the most optimum solutions for transmission system expansion and/or augmentation are formulated.

(c) and (d) To meet the demand during 10th and 11th Plan, an incremental capacity around 1,00,000 MW would be required for which investments to the tune of Rs. 8 lakh crore (US$200 Billion) approximate are required which will take into account the cost for associated transmission and distribution system for this capacity addition. The investment needs would be met through budgetary support, market borrowings (both domestic and external), retained earnings, suppliers' credit and financing through bilateral and multilateral agencies.

**Recovery of Arrears from SEBs**

2585. SHRI RUMANDLA RAMACHANDRAIAH: Will the Minister of POWER be pleased to state:

(a) whether the Power Ministry has issued warning that the states which fail to pay for the power supplied by Central Utilities would face recovery of arrrears through a cut in Central Plan assistance and other allocations;

(b) wheather the Union Government is proposing a tripartite agreement between the Union Government, State Government and the Reserve Bank of India in this regard; and

(c) if so, how many States have failed to pay for the power supplied by the Central Utilities?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) The Government has finalised a scheme for one-time settlement of dues of SEBs. The scheme is linked to a mechanism that would ensure payment of current dues in future. Amount other things, the Scheme envisages, for the states participating in the scheme, cash-incentives and assistance through Accelerated Power Development and Reform Programme (APDRP). In case of defaults, a graded reduction in the supply of power from Central Power Stations and in coal supplies is proposed. Where defaults by the States participating in the scheme exceeds 90 days from the date of billing, recovery of these dues through adjustment against releases due from the Centre is proposed.

(b) Yes, Sir. The scheme envisages a tripartite agreement among the Union Government, the State Governments concerned and the Reserve Bank of India.

(c) The dues payable by the SEBs to the CPSUs as on 30.9.200i, the cut off date to securitise the outstanding dues are shown as per Statement I and Statement II.

**Statement I**

*Outstanding Dues (indicative) payable to Central Public Sector Undertakings (Principal & Surcharge)*

*(Rs. in crores)*

| SI. No. | SEBs/States | NTPC | | | NHPC | | | PGCIL | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | PRIN | INTT | TOTAL | PRIN | IN'IT | TOTAL | PRIN | INTT | TOTAL |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | Andhra Pradesh | 67.87 | 115.17 | 183.04 | 0.00 | 0.00 | 0.00 | 8.40 | 0.10 | 8.50 |
| 2 | Arunachal Pradesh | 0.00 | 0.00 | 0.00 | 1.01 | 0.63 | 1.64 | 6.60 | 2.00 | 8.60 |
| 3 | Assam | 41.43 | 28.37 | 69.80 | 0.83 | 0.03 | 0.86 | 182.80 | 48.70 | 231.50 |
| 4 | Bihar | 1263.58 | 881.65 | 2145.23 | 13.49 | 25.07 | 38.56 | 177.60 | 41.90 | 219.50 |
| 5 | Gujarat | 168.66 | 28.38 | 197.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | Goa | -0.36 | 0.00 | -0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | HVPNL (HSEB) | 256.80 | 296.29 | 553.09 | 98.56 | 503.03 | 601.59 | 3.30 | 21.20 | 24.50 |
| 8 | Himachal Pradesh | 23.38 | 19.35 | 42.73 | 41.15 | 37.30 | 78.45 | 0.40 | 0.70 | 1.10 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Jammu & Kashmir | 78.34 | 6.75 | 85.59 | 62.24 | 0.00 | 62.24 | 126.24 | 54.90 | 181.40 |
| 10 | Karnataka | 168.16 | 115.13 | 283.29 | 0.00 | 0.00 | 0.00 | 9.80 | 15.80 | 25.60 |
| 11 | Kerala | 683.48 | 138.42 | 821.90 | 0.00 | 0.00 | 0.00 | 9.00 | 6.10 | 16.10 |
| 12 | Madhya Pradesh | 1234.55 | 408.38 | 1642.93 | 0.00 | 0.00 | 0.00 | 40.00 | 14.50 | 54.50 |
| 13 | Maharashtra | 421.22 | 301.90 | 732.12 | 0.00 | 0.00 | 0.00 | 4.30 | 0.00 | 4.30 |
| 14 | Manipur | 0.00 | 0.00 | 0.00 | 16.07 | 8.33 | 24.40 | 44.30 | 10.70 | 55.00 |
| 15 | Meghalaya | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 | 1.33 | 4.00 | 1.10 | 5.10 |
| 16 | Mizoram | 0.00 | 0.00 | 0.00 | 5.00 | 1.51 | 6.51 | 8.20 | 0.00 | 8.20 |
| 17 | Nagaland | 0.00 | 0.00 | 0.00 | 5.33 | 3.12 | 8.45 | 17.90 | 6.00 | 23.90 |
| 18 | Orissa (GRIDCO) | 656.63 | 186.25 | 842.88 | 6.73 | 11.75 | 18.48 | 7.00 | 0.00 | 7.00 |
| 19 | Punjab | 175.07 | 31.15 | 206.22 | 236.28 | 188.34 | 426.62 | 22.40 | 1.30 | 23.70 |
| 20 | Rajasthan | 297.75 | 149.60 | 447.35 | 60.73 | 9.57 | 70.30 | 29.80 | 0.00 | 29.80 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|
| 21 | Sikkim | 27.67 | 17.21 | 44.88 | 2.30 | 0.26 | 2.56 | 9.40 | 3.60 | 13.00 |
| 22 | Tamil Nadu | 327.44 | 183.37 | 510.81 | 0.00 | 0.00 | 0.00 | 5.40 | 0.00 | 5.40 |
| 23 | Tripura | 0.00 | 0.00 | 0.00 | 2.40 | 1.35 | 3.75 | 11.20 | 0.00 | 11.20 |
| 24 | Uttar Pradesh | 2680.44 | 935.23 | 3615.67 | 243.90 | 21.66 | 265.56 | 49.40 | 0.00 | 49.40 |
| 25 | WBSEB | 875.91 | 774.18 | 1650.10 | 9.09 | 8.58 | 17.67 | 56.50 | 23.40 | 79.90 |
| 26 | DVB (DESU) | 1591.83 | 1628.57 | 3220.40 | 284.40 | 298.99 | 583.65 | 112.60 | 71.60 | 184.20 |
| 27 | DNH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | Chandigarh (UT) | -0.33 | 0.00 | -0.33 | 7.56 | 6.01 | 13.57 | 0.80 | 0.00 | 0.80 |
| 29 | Daman & Diu | -0.08 | 0.98 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | Pondichcrry | 16.91 | 16.40 | 33.31 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 |
| 31 | Cooperatives | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | State Govts. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | Power Grid | 0.38. | 3.14 | 3.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | Railways | 0.22 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | Chhattisgarh (CSEB) | 159.40 | 128.32 | 287.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | Jharkhand (JSEB) | 872.57 | 639.14 | 1511.71 | 1.44 | 0.00 | 1.44 | 9.20 | 0.00 | 9.20 |
| | TOTAL: | 12089.42 | 7033.34 | 19122.76 | 1100.77 | 1126.86 | 2227.63 | 956.80 | 325.10 | 1281.90 |

*(Rs. in crores)*

| SI. No | SEBs/States | DVC | | | NEEPCO | | |
|---|---|---|---|---|---|---|---|
| | | PRIN | INTT | TOTAL | PRIN | INTT | TOTAL |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Andhra Pradesh | 0.30 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 |
| 2 | Arunachal Pradesh | 0.00 | 0.00 | 0.00 | 17.63 | 4.13 | 22.06 |
| 3 | Assam | 1.70 | 0.00 | 1.70 | 508.57 | 284.08 | 792.65 |
| 4 | Bihar | 369.87 | 642.67 | 1012.74 | 0.00 | 0.00 | 0.00 |
| 5 | Gujarat | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | Goa | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | HVPNL (HSEB) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | Himachal Pradesh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | Jammu & Kashmir | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | Karnataka | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | Kerala | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | Madhya Pradesh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | Maharashtra | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | Manipur | 0.00 | 0.00 | 0.00 | 107.52 | 41.77 | 149.29 |
| 15 | Meghalaya | 0.00 | 0.00 | 0.00 | 11.39 | 2.72 | 14.11 |
| 16 | Mizoram | 0.00 | 0.00 | 0.00 | 32.62 | 7.63 | 40.55 |
| 17 | Nagaland | 0.00 | 0.00 | 0.00 | 48.37 | 23.49 | 71.86 |
| 18 | Orissa (GRIDCO) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | Punjab | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | Rajasthan | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | Sikkim | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | Tamil Nadu | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | Tripura | 0.00 | 0.00 | 0.00 | 59.07 | 10.59 | 69.66 |
| 24 | Uttar Pradesh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | WBSEB | 448.29 | 457.67 | 905.96 | 0.00 | 0.00 | 0.00 |
| 26 | DVB (DESU) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| 27 | DNH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | Chandigarh (UT) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | Daman & Diu | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | Pondichcrry | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | Cooperatives | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | State Govts. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | Power Grid | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | Railways | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | Chhattisgarh (CSEB) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | Jharkhand (JSEB) TOTAL: | 495.62 | 548.98 | 1044.60 | 0.00 | 0.00 | 0.00 |
| | | 1315.78 | 1649.52 | 2965.30 | 785.47 | | 1160.18 |

NEEPCO Interest As on 31.03.2001

**Statement II**

*Outstanding dues (indicative) Payable to Central Public Sector Undertakings (Including Surcharge)*

*(Rs. in crores)*

| Name of PSUs. | PRINCIPAL | SURCHARGE | TOTAL |
|---|---|---|---|
| NTPC | 12089.42 | 7033.34 | 19122.78 |
| NHPC | 1100.77 | 1126.86 | 2227.63 |
| PGCIL | 956.80 | 325.10 | 1281.90 |
| NEEPCO | 785.47 | * | 1160.18 |
| DVC | 1315.78 | 1649.52 | 2965.30 |
| TOTAL: | 16248.24 | 10509.53 | 26757.77 |

*NEEPCO Interest As on 31.03.2001